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Page 1 of 3  
Attorney Docket No.: 24024-505 CON

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	10/774,843	
Filing Date	February 9, 2004	
First Named Inventor	Peled	
Group Art Unit	1633	
Examiner Name	Maria Gomez Leavitt	
Attorney Docket Number	24024-505 CON	

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	*A149	5,378,725	01/03/95	Bonjouklian et al.	514	453	
	*A150	5,480,906	01/02/96	Creemer et al.	514	453	
	*A151	5,504,103	04/02/96	Bonjouklian et al.	514	453	
	*A152	6,413,773 B1	07/02/02	Ptasznik et al.	435	377	
	*A153	7,169,605 B2	01/30/07	Peled et al.	435	326	

U.S. PUBLISHED APPLICATION DOCUMENTS

Exam Initials	Cite No.	U.S. Published Application No.	Published Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	*A154	2003/0149074 A1	08/07/03	Melese et al.	514	312	
	*A155	2003/0215445 A1	11/20/03	Serrero	424	145.1	
	*A156	2005/0220774 A1	10/06/05	Peled et al.	424	93.21	

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B25	EP 1 332 673 A1	GAMIDA CELL LTD.; HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD.	08/06/03	
	B26	EP 1 332 676 B1	IDEBIO, S.L.	08/06/03	
	B27	WO 96/01108	ELI LILLY AND COMPANY	01/18/96	
	B28	WO 03/072557 A1	NOVARTIS PHARMA GMBH	09/04/03	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C289	ACS, "Chelation Therapy", <i>American Cancer Society</i> , pp. 1-5 (2006)
	C290	Avital et al., "Isolation, Characterization, and Transplantation of Bone Marrow-Derived Hepatocyte Stem Cells", <i>Biochem. Biophys. Res. Comm.</i> , 288(1):156-164 (2001)
	C291	Burgada et al., "Synthesis of New Phosphonated Tripod Ligands as Putative New Therapeutic Agents in the Chelation Treatment of Metal Intoxications", <i>Euro. J. Org. Chem.</i> , pp. 349-352 (2001)

	C292	Charrier et al., "Normal Human Bone Marrow CD34+CD133+ Cells Contain Primitive Cells Able to Produce Different Categories of Colony-Forming Unit Megacaryocytes in Vitro", <i>Exper. Hemat.</i> , 30:1051-1060 (2002)
	C293	Coutinho et al., "Effects of Recombinant Human Granulocyte Colony-Stimulating Factor (CSF), Human Granulocyte Macrophage-CSF, and Gibbon Interleukin-3 on Hematopoiesis Human Long-Term Bone Marrow Culture", <i>Blood</i> , 75(11):2118-2129 (1990)
	C294	Fasouliotis et al., "Human Umbilical Cord Blood Banking and Transplantation: A State of Art", <i>Euro. J. Obstet. Gynec. Reprod. Bio.</i> , 90(1):13-25 (2000)
	C295	Ferrero et al., "The Metamorphosis of A Molecule: From Soluble Enzyme to the Leukocyte Receptor CD38", <i>J. Leuk. Bio.</i> , 65(2):151-161 (1999)
	C296	Fietz et al., "Culturing Human Umbilical Cord Blood: A Comparison of Mononuclear Vs CD34+ Selected Cells", <i>Bone Marrow Transplantation</i> , 39:11-23 (2007)
	C297	Gossler et al., "Transgenesis by Means of Blasocyst-Derived Embryonic Stem Cell Lines", <i>PNAS</i> , 83:9065-9069 (1986)
	C298	Hofmeister et al., "Ex Vivo Expansion of Umbilical Cord Blood Stem Cells for Transplantation: Growing Knowledge From the Hematopoietic Niche", <i>Bone Marrow Transplantation</i> , 39:11-23 (2007)
	C299	Jackson et al., "Regeneration of Ischemic Cardiac Muscle and Vascular Endothelium by Adult Stem Cells", <i>J. Clin. Invest.</i> , 107:1395-1402 (2001)
	C300	Keith et al., "Multicomponent Therapeutics for Networked Systems", <i>Nat. Rev.: Drug Disc.</i> , 4:1-8 (2005)
	C301	Kocher et al., "Neovascularization of Ischemic Myocardium by Human Bone-Marrow-Derived Angioblasts Prevents Cardiomyocyte Apoptosis, Reduces Remodeling and Improves Cardiac Function", <i>Nat. Med.</i> , 7(4):430-436 (2001)
	C302	Lam et al., "Preclinical Ex Vivo Expansion of Cord Blood Hematopoietic Stem and Progenitor Cells: Duration of Culture: the Media, Serum Supplements, and Growth Factors Used; and Engraftment in NOD/SCID Mice", <i>Transfusion</i> , 41(12):1567-1576 (2001) (Abstract)
	C303	Lianguzova et al., "PI3-Kinase Inhibitors LY294002 and Wortmannin Have Different Effects on Proliferation of Murine Embryonic Stem Cells", <i>Tsitol. i. Tumorol.</i> , 48(7):560-568 (2006) (English Abstract Only)
	C304	Lovejoy et al., "Novel 'Hybrid' Iron Chelators Derived From Aroylhydrazones and Thiosemicarbazones Demonstrate Selective Antiproliferative Activity Against Tumor Cells", <i>Blood</i> , 100(2):666-676 (2002)
	C305	Mehta et al., "Human CD38, A Cell-Surface Protein With Multiple Functions", <i>J. FASEB</i> , 10(12):1408-1417 (1996)
	C306	Murray et al., "Thrombopoietin, Flt3, and Kit Ligands Together Suppress Apoptosis of Human Mobilized CD34+ Cells and Recruit Primitive CD34+Thy-1+ Cells Into Rapid Divisions", <i>Expert. Hemat.</i> , 27:1019-1028 (1999)
	C307	Orlic et al., "Mobilized Bone Marrow Cells Repair the Infarcted Heart, Improving Function and Survival", <i>PNAS</i> , 98(18):10344-10324 (2001)
	C308	Ostrakhovitch et al., "Copper Ions Strongly Activate the Phosphoinositide-3-Kinase/Akt Pathway Independent of the Generation of Reactive Oxygen Species", <i>Arch. Biochem. Biophys.</i> , 397(2):232-239 (2002)

	C309	Paling et al., "Regulation of Embryonic Stem Cell Self-Renewal by Phosphoinositide 3-Kinase-Dependent Signaling", <i>J. Bio. Chem.</i> , 279(46):48063-48070 (2004)
	C310	Peled et al., "Linear Polyamine Copper Chelator Tetraethylenepentamine Augments Long-Term Ex Vivo Expansion of Cord Blood-Derived CD34+ Cells and Increases Their Engraftment Potential in NOD/SCID Mice", <i>Exper. Hemat.</i> , 32:547-555 (2004)
	C311	Peters et al., "Long-Term Ex Vivo Expansion of Human Fetal Liver Primitive Haematopoietic Progenitor Cells in Stroma-Free Cultures", <i>Brit. J. Haemat.</i> , 119:792-802 (2002)
	C312	Wang et al., "In Vitro Culture of Umbilical Cord Blood MNC and CD34+ Selected Cells", <i>Sheng Wu Gong Cheng Xue Bao</i> , 18(3):343-347 (2002) (Abstract)
	C313	Wulf et al., "Somatic Stem Cell Plasticity: Current Evidence and Emerging Concepts", <i>Exp. Hemat.</i> , 29:1361-1370 (2001)

\* By the waiver of 37 CFR 1.98(a)(2)(ii) copies of the U.S. Patents A149-A156 and U.S. Published Application A154-A156 are not submitted.

Examiner Signature		Date Considered	
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